

ABSTRACT OF THE DISCLOSURE

A communication device and a method for transmitting data in wireless local area networks is provided. The device and method are deployed in networks in which the data information elements include an element identification part, a length statement part and an information part. The device and method enable a broad range of data transmission rates and are full compatible with communicating units operating according to previous modes in which a first data transmission rule defines the acceptable range of values of element identification parts. In the method, a second data transmission rule is implemented in at least one of the communicating units to extend the acceptable range of values of element identifications. The range of values is extended so that a second standard portion of the element identification part marks the information element as a second information element.